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PUBLISHED BY AUTHORITY

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No. 45] NEW DELHI, SATURDAY, NOVEMBER 8, 1986 (KARTIKA 17, 1908)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड २

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचना और नोटिस
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Calcutta, the 8th November 1986

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**APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE, 214, ACHARYA JAGDISH BOSE ROAD,
CALCUTTA-700 017**

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

The 30th September, 1986

715/Cal/86. Nippon Soda Company Limited. Process for preparing formamidoxime derivatives. [Divisional date 9-7-1984].

716/Cal/86. Nippon Soda Company Limited. Process for preparing formamidoxime derivatives. [Divisional date 9-7-1984].

717/Cal/86. (1) Etat Francais, (2) Etablissement Public De Diffusion dit "Telediffusion De France". Method and device for recording and recovering digital data on a video recorder tape and a tape thus obtained.

The 1st October 1986

718/Cal/86 Winfried Jean Werding. Thrust regulator containing a mounting gage.

719/Cal/86. Combustion Engineering, Inc. Rotating drum end seal.

720/Cal/86. Hitachi, Ltd. Electric power plant automatic control apparatus.

721/Cal/86. Dott. Vittorio Gilardoni S.p.A. Procedure for improving the performance of a two-stroke internal combustion engine.

722/Cal/86. Mr. Andre Accetta. Machine for the production of stabilised earth building blocks.

The 3rd October, 1986

723/Cal/86 L. & C. Steinmuller GmbH. Heat exchanger for the assembly of a contact reactor with a combustion hood.

The 6th October 1986

724/Cal/86. (1) Haruo Okazaki (2) Japan Pipe Conveyor Co., Ltd. A belt for a tubular belt conveyor.

725/Cal/86. Hoechst Aktiengesellschaft. Water-soluble diazo compounds, process for their preparation and their use as dyes.

726/Cal/86. Siemens Aktiengesellschaft. A contact arrangement for a low-voltage electric circuit breaker.

727/Cal/86. Isover Saint-Gobain. Method of and apparatus for covering an insulating sheath, particularly of mineral fibres, with a film.

The 7th October 1986

728/Cal/86. Nederlandse Stikstof Maatschappij B.V. A method of producing fertilizer granules containing urea and ammonium sulphate, and similar granules.

729/Cal/86. Gruzinsky Sel'skokhozyaistvenny Institut. Electromagnetic Oscillation Motor.

730/Cal/86. Westinghouse Electric Corporation. Improvements in or relating to electrical distribution apparatus having draw-out surge arrester.

**APPLICATION FOR PATENTS FILED AT THE PATENT
OFFICE BRANCH, MUNICIPAL MARKET BUILDING,
3RD FLOOR, KAROL BAGH, NEW DELHI-5**

The 8th September 1986

796/Del/86. Council of Scientific and Industrial Research. "A process for the production of chromium manganese nitrogen carbon tungsten molybdenum creep resistant stainless steel".

797/Del/86. Abdul Rehman Choudhri. "Manufacture of multi coloured stripped natural marble tiles for flooring and wall covering".

798/Del/86. The Lubrizol Corporation. "Fuel additive comprising a metal compound and an oxime and fuel compositions containing same".

799/Del/86. USS Engineers and Consultants, Inc. "A stationary refractory plate structure for use in a sliding gate valve assembly". [Divisional date 23rd March, 1984].

800/Del/86. The B.F. Goodrich Co. "Process for finishing vinyl chloride monomer".

The 9th September 1986

801/Del/86. The Lubrizol Corporation. "Diesel lubricants and methods".

802/Del/86. Poclain Hydraulics. "Hydraulic mechanism comprising fluid distribution faces and counter faces".

803/Del/86. The Lubrizol Corporation. "Metal complexes of manich bases".

804/Del/86. STC PLC. "Optical fibre cable". (Convention date 14th September, 1985 & 8th May, 1986) (U.K.).

The 10th September, 1986

805/Del/86. Council of Scientific and Industrial Research. "A process for the manufacture of red mud filled PVC composite material".

806/Del/86. Societe Electronique De La Region Pays De Loire. "A convergence adjustment device for video projectors".

807/Del/86. Fine Metals Export Corporation Pty. Ltd. "Refining process". (Convention date 12th September, 1985) (Australia).

The 11th September, 1986

808/Del/86. Rohm GmbH. "Phosphonic acid derivatives as leather adjuvants".

The 12th September 1986

809/Del/86. Toyo Engineering Corporation. "Process for processing granules".

810/Del/86. Cemtech Laboratories, Inc. "Cementations admixtures and methods".

811/Del/86. Profilafroid. "Metal sheet piles cold formed by shaping or bending a metal sheet, walls formed from the said sheet piles".

**APPLICATIONS FOR PATENTS FILED AT THE PATENT
OFFICE BRANCH 61, WALLAJAH ROAD.
MADRAS-600 002**

The 16th September 1986

734/Mas/86. Elevator GmbH. Automatic indoctrination of a lift.

The 17th September 1986

735/Mas/86. Air Products and Chemicals, Inc. Method of for producing metal castings.

736/Mas/86. Henkel Kommanditgesellschaft Aur Aktien. Fabric treatment agents.

The 18th September 1986

2 Claims

737/Mas/86. Preformed Line Products Company. Optical fiber splice organizer.

738/Mas/86. Minnesota Mining and Manufacturing Company. Electrically-conductive, pressure-sensitive adhesive and biomedical electrodes.

The 19th September 1986

739/Mas/86. Aurotech N.L. Precious metal extraction. (September 20, 1985; Australia).

740/Mas/86. The Dow Chemical Company. Sulfur removal from hydrocarbons.

741/Mas/86. Maschenenfabrik Reinhausen Gebruder Scheuback GmbH & Co KG. Electrical insulation tube.

742/Mas/86. John Ingram Peckson. Improvements in or relating to dispensers.

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CLASS : 10-B 158385

Int. Cl. : F 42 d 1/00.

A DETONATING RELAY UNIT.

Applicant : IDL CHEMICALS LIMITED, SANAT-NAGAR (IE) P.O., HYDERABAD-500 018, ANDHRA PRADESH.

Inventors : (1) SHOLINGHUR PATTABHIRAMAN, (2) THOTAPALLI CHANDRASEKHARA SARMA.

Application No. 144/Mas/82 filed July 14, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

A detonating relay unit comprising a pair of detonators each fitted with a delay element of predetermined timing in milli-seconds characterised in that the detonators are connected by a flexible plastic tube, the interior of the tube being coated with a substance such as herein described to form an explosive train; a protective flexible plastic casing provided around the flexible tube; and a protective flexible plastic sleeve provided around each of the detonators, each such sleeve having a hole for receiving a detonating cord, the said hole being located on the periphery of the said sleeve perpendicular to the axis thereof.

Prov. 4 pages.

Compl. specn. 6 pages.

Drg. 2 sheets.

CLASS : 32E + 201C

158386

Int. Cl. : C 08 j 1/34 + C 02b 1/16.

PROCESS FOR PREPARATION OF A NOVEL POLY-IODIDE RESIN POSSESSING A VARIABLE IODINE RELEASE PATTERN FOR THE DISINFECTING OF WATER.

Applicants : ION EXCHANGE (INDIA) LTD., TIECICON HOUSE, DR. E. MOSES ROAD, MAHALAXMI, BOMBAY-400 011, MAHARASHTRA, INDIA.

Inventors : (1) SUNIL KUMAR BHATTACHARYA, (2) RAJAGOPAL KRISHNA PRASAD & (3) DR. VIJAY SHRI-PAD KAMAT.

Application No. 190/Bom/1983 filed June 8, 1983.

Complete after provisional left August 21, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

7 Claims

A process for the preparation of a novel polyiodide resin combination possessing a variable release pattern of iodine when applied to the disinfecting of water which comprises reacting iodine with an aqueous solution of an iodide salt in an iodine to iodide weight ratio of from 1 : 3 to 1 : 0.1 to provide a mixture of iodides and reacting the mixture so formed with a strong base anion exchange resin of the kind such as herein described whereby the polyiodide ions are exchanged on to said strong base resin to provide said desired polyiodide resin combination.

Compl. specn. 15 pages.

Drg. Nil.

Provisional specn. 4 pages.

Drg. Nil.

CLASS : 116 H

158387

Int. Cl. : E 02 d 3/02.

IMPROVED SUSPENSION AND RELEASE MEANS FOR SUSPENDING AND RELEASING A FREE-FALLING WEIGHT FOR COMPACTION OF GROUND.

Applicant & Inventor : SUKUMAR MUKHERJEE, E 104-A, SIMLA HOUSE, NEPEAN SEA ROAD, BOMBAY-400 036, MAHARASHTRA, INDIA.

Application No. 194/Bom/1983, filed on 14th June, 1983.

Complete after provisional left on 10th July 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

7 Claims

Improved suspension and release means employable with conventional handling equipment for suspending and releasing a free-falling weight for compaction of ground which comprises a pair of gripping jaws, each jaw being formed by at least one shaped plate located opposite a shaped plate forming the other jaw, said shaped plates being adapted to pivot about a pin or axle located within a lower support

Ind. Cl. : 127 G

158389

Int. Cl. : F 16 H 33/00.

AN AUTOMATIC MECHANICAL POWER TRANSMISSION SYSTEM.

Applicant & Inventor : GURSARAN SINGH, C/o MR.
HARAN SINGH, 205 E SHIMALA HOUSE, NEPANCI

CLASS : 85 L

Int. Cl. : F 23 G 7/04.

INCINERATION FURNACE FOR SOLID-CONTAINING LIQUID WASTE.

Applicant : THERMAX PRIVATE LTD., CHINCHWAD, PUNE-411 019, MAHARASHTRA, INDIA.

Inventor : (1) SUDHEER SHYAMRAO BASARGEKAR, (2) ANIL MADHUKAR DESHPANDE.

Application No. 273/Bom/1983 filed September 6, 1983. Complete after provisional left October 5, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

21 Claims

An incineration furnace for solid containing liquid waste comprising (i) a top narrow cylindrical section for housing a rotating injector for injecting solid containing liquid waste into the furnace and having flue gas ducting; (ii) a central cylindrical section, being provided with an air jacket and tubes which introduce combustion air into the furnace for incineration of the liquid waste; (iii) bottom conical portion for partial burning and cooling of solids; (iv) a crusher at the base, to crush the ash and clinkers and convey the same to the outside.

Compl. specn. 12 pages;

Drg. 3 sheets.

Provisional specn. 6 pages;

Drg. Nil.

CLASS : 49 H

158392

Int. Cl. : A 47 j 27/00.

IMPROVEMENTS IN OR RELATING TO PRESSURE COOKERS.

Applicants : PRESSURE COOKERS & APPLIANCES LTD., F-101 MAKER TOWERS, CUFFE PARADE, BOMBAY-400 005, INDIA.

Inventor : NARANAMMAL PURAM SANKARAM SUBRAMANIAN.

Application No. 296/Bom/1983 filed Sep 21, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

7 Claims

Improvements in or relating to pressure cookers wherein a pressure regulating valve is fitted to the lid covering the vessel of the cooker and which comprises a vent tube and a vent weight which vent weight is seated over the top of the vent tube, said vent weight having a downwardly projection pin to slide into the hole at the top of the vent tube, the base of the vent weight from which the pin descends having one or more openings for the escape of steam when the vent weight is lifted, the vent weight being held by a fulcrumed lever which has a passage exposed at one end to the atmosphere and at the other end to the said opening or openings in the vent weight for smooth lifting of the pin at the top of the vent tube or lifting of vent weight for the escape of the steam into the atmosphere at the desired limit of the pressure in the said pressure cooker.

Compl. specn. 10 pages;

Drg. 3 sheets.

CLASS : 85 B

Int. Cl. : F 27 D 1/00.

REFRACTORY LESS FURNACE.

Applicants : THERMAX PRIVATE LTD., CHINCHWAD, BOMBAY-POONA ROAD, POONA-411 019, MAHARASHTRA, INDIA.

Inventor : ANIL MADHUKAR DESHPANDE.

Application No. 303/Bom/1983 filed September 22, 1983.

Complete after provisional left October 5, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

7 Claims

A refractory less furnace having a static vertical cylinder, surrounded by a water jacket which is provided around the side walls through the substantial length from the base to the top, wherein the base of the furnace is either water cooled or refractory lined, the lower portion of the water jacket comprising an air plenum in which air is blown.

Provisional specn. 3 pages.

Drgs. Nil.

Compl. specn. 8 pages.

Drg. 2 sheets.

CLASS : 134A + 117B

158394

Int. Cl. : E 05 B 65/00, 55/00.

A LOCKING ARRANGEMENT FOR LOCKING COMPONENTS SUCH AS SPARE WHEEL, OIL TANK, FUSE BOX, PETROL TANK, BATTERY AND TOOL BOX OF A TWO WHEELER MOTOR VEHICLE.

Applicants : BAJAJ AUTO LIMITED, AKURDI, PUNE-411 035, INDIA.

Inventors : (1) MYSORE SUBBARAU KESHAV, (2) NAMDEO PREMLAL AMBULE AND (3) SATISH BAPURAO BHALERAO.

Application No. 337/Bom/1983 Filed October 31, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims

A locking arrangement for locking components such as spare wheel, oil tank, fuse box, petrol tank battery and tool box provided in a body cavity which is below the seat of a two wheeler motor vehicle. said locking arrangement comprising a bracket fixed on the lower side of the cover of the vehicle engaging a guide pin fixed on the body of the said vehicle, a lever pivoted to the said bracket and engaged in a slot in the said guide pin an interlocking lever of a lock provided with the cover, the said pivoted lever held also engaged in a slot in said interlocking lever and capable of being released from the interlocking lever only on the actuation of the said lock to its open position, whereupon only the said lever is capable of being released from the guide pin thereby to release the cover of the vehicle.

Compl. specn. 10 pages.

Drg. 2 sheets.

CLASS : 32, F2a, b, c

158395

Int. Cl. : C 07 c 103/30.

MANUFACTURE OF N-MONOSUBSTITUTED AMIDES USING DILUTE SULPHURIC ACID.

Applicants : INDIAN PETROCHEMICALS CORPORATION LTD., P.O. PETROCHEMICALS, DISTRICT VADODARA-391 346, GUJARAT, INDIA.

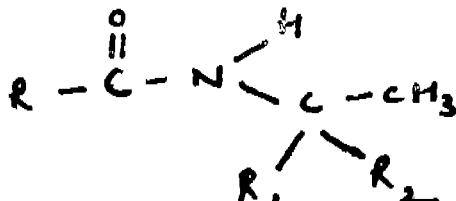
Inventors : (1) DR. SWAMINATHAN SIVARAM AND (2) DR. NAGABUSHANAM KALYANAM.

Application No. 353/Bom/1983 filed November 8, 1983.

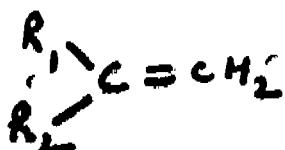
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

9 Claims

A process for the manufacture of N-monosubstituted amides of formula I



of the accompanying drawings wherein R is selected from aliphatic, cycloaliphatic or aromatic radicals having a total number of 2 to 20 carbon atoms, R₁ is an aromatic group and R₂ hydrogen or alkyl group or both R₁ and R₂ are alkyl group or cycloalkyl group having a total number of 4 to 20 carbon atoms which comprises the steps of heating a mixture of an olefin of the formula II



wherein R₁ and R₂ are as defined above, a nitrile of the formula III



wherein R is as defined as above and X is an integer from 1 to 6 and dilute sulphuric acid to a temperature of from 50-80°C, hydrolysing the reaction mixture and recovering the N-monosubstituted amides.

Compl. specn. 7 pages.

Drg. 1 sheet.

CLASS : 39-0

158396

Int. Cl. : C 01 b 33/20.

A METHOD OF REMOVING ALUMINUM FROM SYNTHETIC ZEOLITE BETA.

Applicant : MOBIL OIL CORPORATION, OF 150 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

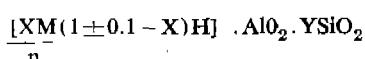
Inventors : 1. RENE BERNARD LAPIERRE, 2. STEPHEN SUI FAI WONG.

Application No. 621/Cal/83 filed May 18, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A method of removing aluminum from synthetic zeolite beta to obtain zeolite having higher silicon : aluminum ratio, which comprises contacting synthetic zeolite beta having the composition (on an anhydrous basis), of :



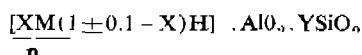
where X is less than 1,

Y is greater than 5 but less than 100,

M is a metal

n is the valence of M,

with a protonic acid, and recovering in a known manner a zeolite beta having the composition (on an anhydrous basis),



where X is less than 1,

Y is at least 100,

M is a metal

n is the valence of M.

Compl. specn. 17 pages.

Drg. Nil.

CLASS : 27-F

158397

Int. Cl. : E 04 c 3/00.

LOAD BEARING BEAMS.

Applicant : NORDE SUSPENSIONS LIMITED, SYWELL AIRPORT, NORTHAMPTON NN6 OBU, ENGLAND.

Inventors : 1. CHRISTOPHER NORTON HARLE.

Application No: 658/Cal/83 filed May 25, 1983.

Convention dated 5th June 1982 (8216428) United Kingdom.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A load bearing beam comprising two spaced plate-like members, each of which has an outwardly directed flange to one side and an inwardly directed flange to the other side, to be of generally Z-shaped cross-section, said two plate-like members being secured to and spaced by internal cross-members.

Compl. specn. 11 pages.

Drg. 1 sheet.

CLASS : 105-C

158398

Int. Cl. : G 01 k 7/00.

A TEMPERATURE SENSING DEVICE.

Applicant : SERVO CORPORATION OF AMERICA, OF 111 NEW SOUTH ROAD, HICKSVILLE, NEW YORK 11802, U.S.A.

Inventors : 1. LUIS FERNANDO VILLAR.

Application No. 677/Cal/83 filed May 30, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A temperature sensing device comprising :

a housing formed of a heat conductive material;

a cavity within said housing;

an opening in said housing communicating with said cavity;

a heat probe positioned for movement within said cavity and through said opening from a first position wherein said probe contacts said heat conductive surface to a second position wherein said probe is insulated from said housing.

Compl. specn. 9 pages.

Drg. 2 sheets.

CLASS : 6-A,

158390

Int. Cl. : F 04 d 1/00, 15/00.

CENTRIFUGAL VAPOR COMPRESSOR.

Applicant : CARRIER CORPORATION, AT SYRACUSE, NEW YORK, UNITED STATES OF AMERICA.

Inventors : 1. FRANCIS PATRICK PLUNKETT.

Application No. 705/Cal/83 filed June 3, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A centrifugal vapor compressor comprising :

a housing forming an inlet passageway for directing vapor into the compressor and a diffuser passageway for directing compressed vapor out of the compressor, said diffuser including a wall with an annular recess therein; an impeller rotatably mounted in the housing between the inlet passageway and the diffuser passageway;

a diffuser throttle ring mounted in the annular recess to form a substantially sealed cavity between the walls of the annular recess and the back surface of the throttle ring, said throttle ring supported in the annular recess for movement across the diffuser passageway between a minimum throttling position and a maximum throttling position;

control means for determining volumetric vapor flow rate through the compressor, and for generating a first control signal when the volumetric vapor flow rate through the compressor is equal to or greater than a predetermined flow rate corresponding to stable flow conditions for the compressor and a second control signal when the volumetric vapor flow rate through the compressor is less than the predetermined flow rate; and

valve means for detecting the control signals generated by the control means, and for connecting the cavity behind the throttle ring to a relatively low pressure source to provide a pressure difference across the throttle ring which positively maintains the throttle ring at its minimum throttling position when the first control signal is detected, and for connecting the cavity behind the throttle ring to a relatively high pressure source to provide a pressure difference across the throttle ring which positively maintains the throttle ring at its maximum throttling position when the second control signal is detected.

Compl. specn. 7 pages.

Drg. 2 sheets.

CLASS : 187-E

158400

Int. Cl. : H 01 1 41/08.

A TRANSDUCER PLATE FOR AN ELECTRO-ACOUSTIC TRANSDUCER.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : 1. ERWIN MARTIN.

Application No. 737/Cal/83 filed June 13, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A transducer plate, provided with a piezoelectric ceramic coating, for an electro-acoustic transducer, comprising a carrier plate having a diameter not substantially less than 40 mm and not more than 45 mm, and carries a piezoelectric ceramic body having a diameter that is not substantially less than 25 mm nor more than 35 mm; the thickness of the carrier plate being not substantially less than 100 nor more than 250 μm , the thickness of the ceramic body being not substantially less than 50 nor more than 150 μm .

Compl. specn. 7 pages.

Drg. 1 sheet.

CLASS : 198-C & D

158401

Int. Cl. : B 01 d 47/12.

COUNTERCURRENT WASHING TOWER AND A METHOD OF OBTAINING A SOLID FREE SLURRY OF A SYNTHETIC RESIN BY WASHING COUNTER CURRENTLY WITH WASHING LIQUID IN THE SAID COUNTFCURRENT WASHING TOWER.

Applicant : MITSUI TOATSU CHEMICALS, INCORPORATED, NO. 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. TATUO OOKA, 2. YOSHIO FUNAKOSHI, 3. NOBUTAKA UCHIKAWA.

Application No. 926/Cal/83 filed July 25, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A countercurrent washing tower comprising :

a slurry-charging nozzle opening in an upper part of the tower;

a slurry-dispersing member disposed underneath the slurry-charging nozzle and having a projected top area wider than the area of the opening of the slurry-charging nozzle;

a leg section of the washing tower, said leg section being disposed upright below the slurry-dispersing member;

a plurality of washing liquid feeding nozzles disposed in a lower end part of the leg section, each nozzle having a small opening;

a lower discharge opening formed through the wall of the washing tower at a bottom location thereof for removal of washed slurry; and

an upper discharge opening formed through the wall of the washing tower at an upper location thereof for withdrawal of spent washing liquid;

thereby bringing the slurry from the slurry-charging nozzle into countercurrent contact with the washing liquid from the washing liquid feeding nozzles, both as macroscopically laminar flows, so that the slurry is washed with the washing liquid.

Compl. specn. 33 pages.

Drg. 1 sheet.

CLASS : 145-D

158402

Int. Cl. : D 21 f 5/00.

A DRYER SECTION FOR DRYING A TRAVELLING FIBROUS WEB SUCH AS IN A PAPERMAKING MACHINE.

Applicant : BELOIT CORPORATION, P.O. BOX 350, BELOIT, WISCONSIN 53511, UNITED STATE OF AMERICA.

Inventor : 1. JAMES LARRY CHANCE.

Application No. 957/Cal/83 filed August 2, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A dryer section for drying a travelling fibrous web such as in a papermaking machine, comprising in combination :

a first heated dryer drum;

a second heated dryer drum positioned beneath the first drum;

a turning roll positioned between said first and second drums;

and a carrier felt threaded over the top of the first drum to wrap the drum and then passing over the turning roll then wrapping the second drum and carrying a web passing between the felt and the heated surfaces of said first and second drum and being in direct contact with the drum surfaces and threaded over the outside of the felt on the turning roll for being smoothed and conditioned thereon.

Compl. specn. 12 pages.

Drg. 1 sheet.

CLASS : 32-B & 84-B.

158403

Int. CL. : B 01 j 11/32; C 10 b 1/06.

A PROCESS FOR THE PREPARATION OF HYDROCARBONS.

Applicant : HALDOR TOPSOE A/S., OF P.O. BOX 213, DK-2800 LYNGBY DENMARK.

Inventors : 1. ERNEST JORN, 2. JENS RICHARD ROS-TRUP-NIELSEN.

Application No. 1055/Cal/83 filed August 30, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A process for the preparation of hydrocarbons by the conversion in more than one step of a synthesis gas containing hydrogen and carbon oxides and having a CO/H₂ mole ratio above 1 and, after having been admixed with other components to form a feed gas to feed a first reactor a CO/CO₂ mole ratio between 5 and 20, whereby in said first reactor the conversion is carried out at a pressure of 5–100 bar and a temperature of 150–400°C, preferably 200–350°C, so as to convert the feed gas into a first intermediate containing methanol and further into a second reactor at substantially the same pressure as in the first reactor and at a temperature of 150–600°C, preferably 300–450°C, said second intermediate from the first reactor is converted to form hydrocarbons, characterized in

- (i) forming a feed gas for the first step by combining (α) a fresh synthesis gas, optionally after having subjected it wholly or partly to a wash to remove at least part of the content of CO₂, (β) a first recycle stream separated off from the effluent from a second reactor and containing hydrogen, carbon oxides, lower hydrocarbons and optionally inert gases, and (γ) stream in an amount such that the feed gas, when equilibrated according to the reaction (3) and feeding the feed gas to a first reactor,

(ii) carrying out the first synthesis step in said first reactor in the presence of one or more catalysts which together catalyse reactions

- (1) CO + 2H₂ = CH₃OH,
- (2) 2CH₃OH ⇌ CH₃OCH₃ + H₂O, and
- (3) CO + H₂O ⇌ CO₂ + H₂,

so as to form the abovementioned first intermediate containing methanol and then the second intermediate containing dimethyl ether,

- (iii) passing the entire effluent, after the first synthesis step (A), from the first reactor, combined with a second recycle stream separated off from the effluent from the second reactor and containing low-boiling constituents thereof, to the second reactor, said second reactor being an adiabatic reactor,
- (iv) subjecting the gases thus introduced into the second reactor to the second synthesis step in the presence of at least one catalyst which catalyses the conversion of the combined stream of effluent from the first reactor and second recycle stream into a gas mixture containing hydrocarbons, and
- (v) dividing the effluent from the second reactor into several streams as follows :
 - (a) a stream, mainly containing water and being conducted away,
 - (b) a purge stream containing hydrogen, carbon oxides, lower hydrocarbons and inert gases, which is conducted away,
 - (c) the first recycle stream, having the same composition as the purge stream (b), and being recycled so as to form component (β) of the feed gas fed to the first reactor, at least part of said first recycle stream being subjected to a wash to remove part of the content of CO₂ therein so as to ensure, optionally together with a wash of at least a part of the fresh synthesis gas denoted component (α), the desired mole ration CO/CO₂ of 5 to 20 in the feed gas,
 - (d) the second recycle stream containing low-boiling components of said effluent from the second reactor, and
 - (e) at least one stream containing the desired product of hydrocarbons.

Compl. specn. 18 pages.

Drg. 1 sheet.

CLASS : 190-B

158404

Int. CL. : F 28 b 1/00.

STEAM TURBINE CONDENSER HAVING AT LEAST ONE STEAM BY-PASS INLET.

Applicant : KRAFTWERK UNION AKTIENGESELLSCHAFT, 433 MULHEIM (RUHR), WIESENSTR. 35, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. OTTO VON SCHWERDTNER, 2. HANS GOSSEN, 3. JURGEN GUNTHER, 4. HANS PETERS.

Application No. 1213/Cal/83 filed October 1, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

A steam turbine condenser having a steam dome, at least one steam by-pass which opens into the steam dome, a by-pass valve for regulating the amount of by-pass steam in accordance with turbine operating conditions, a throttle device arranged in the by-pass to relieve the pressure of the by-pass steam, and a water injector for cooling the by-pass steam, in which:

- (a) at least two throttle devices are connected in series in the by-pass for de-pressureizing the by-pass steam; and
- (b) the cross-sectional areas of the throttle devices increase in the downstream direction of by-pass steam; and
- (c) the final throttle device in the downstream direction is formed by an installation which is arranged inside the steam dome and which conforms with the wall of the steam dome, there being a plurality of steam apertures formed in said installation for directing by-pass steam into the steam dome.

Compl. specn. 17 pages.

Drg. 2 sheets.

CLASS : 180

158405

Int. Cl. : F 24 b 1/08, 1/26, 5/04, 9/02,

11/00, 13/02 13/04.

MULTI-MOUTH MECHANISED COKE/COAL/WOOD FIRED STOVE AND LIKE COOKING APPLIANCE.

Applicant & Inventor : BALRAM CHANDRA GHOSH, 1/14, R B C. ROAD, EXTENSION, BANDHAB NAGAR, DUM DUM CANTONMENT, CALCUTTA-700 028, WEST BENGAL, INDIA.

Application No. 1244/Cal/83 filed October 10, 1983.

Complete specification left on 20th December, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A multi-mouth mechanised coal/coke/waste peat fired stove or cooking appliance which comprises two or more stoves arranged in a lay-out of any form or configuration, a central block over which stands a vertically disposed chimney common for all stoves, wherein

- (a) each said stove is connected to the said central block by radial smoke passage which is opened or closed by independent control valve;
- (b) each said stove is connected to its adjacent stove by blue duct which is closed or opened by independent control valve;
- (c) a fire torch is provided at the bottom of the said chimney having a single or multiple firing device;
- (d) a control valve is fitted to the said chimney for controlling the temperature, suction rate of smoke, rate of burning and rate of flue gas simultaneously for all stoves, and

- (e) each stove consists of three chambers, namely,

- (i) a central circular chamber for fuel firing, the wall of which is lined with heat insulation refractory material;
- (ii) a second chamber being placed in annular fashion around the said first chamber for heating secondary air entering through the holes of the bottom by contact with the wall of

the chamber, the said second chamber being optionally provided with helical iron pipes for heating the water, and

- (iii) a third chamber annularly placed surrounding the said second chamber which serves as a hot chamber.

Prov. specn. 3 pages.

Prov. Drg. Nil.

Compl. specn. 13 pages.

Comp. Drg. 4 sheets.

CLASS : 76 H

158406

Int. Cl. : B 65 d 55/02.

A SEAL.

Applicants : JIMMY SORAB CANTEENWALLA, NO. 5, CAMA BUILDING, CAMA ROAD, ANDHERI (WEST), BOMBAY-400 059, MAHARASHTRA, INDIA.

Application No. 223/Bom/1984 filed on August 10, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims

A seal comprising of :

- (i) a hollow capsule with a closed bottom having in its mid section a coned collect with its sleeves pointing downward and a shallow socket in the inner periphery at the top of the capsule; and
- (ii) An arrow shaped insert, having at its lower end the arrow head, extending upwards to a shaft which is broad at the top, the said broad section of the shaft having two small holes to pass the free ends of the sealing wire, the said shaft terminating on to a flat plate, such that when the said insert is pressed into the said capsule the arrow head spreads the sleeves of the collect and passes through it, the sleeves of the collect then close around the narrow section of the shaft of the insert, and the flat plate at the top of the insert rests in the socket at the top of the capsule, thereby totally prohibiting the movement of the insert in either direction.

Compl. specn. 9 pages.

Drg. 2 sheets.

PATENTS SEALED

151019 154258 154633 154850 155337 155283 156323 156337
 156342 156358 156360 156367 156372 156373 156385 156389
 156394 156425 156429 156433 156435 156438 156439 156440
 156441 156445 156451 156452 156455 156457 156462 156470
 156472 156473 156478 156775.

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that The Standard Oil Company, an Ohio Corporation having a place of business at Midland Building, Cleveland, Ohio 44115 has made an application under Section 57 of the Patents Act, 1970, for amendment of specification for application for Patent No. 155033 (820/Del/80) for "Process for the preparation of Sn. Sb Oxide Catalyst". The amendment is by way of correction and explanation so as to ascertain and describe the invention more clearly and precisely. The application for amendments and proposed amendments can be inspected free of charge at the

Patent Office Branch, M. M. Building, Saraswati Marg, Karol Bagh, New Delhi-110 005, or copies of the same can be had on payment of usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on form 30 within 3 months from the date of this notification at Patent Office Branch, New Delhi. If the written statement of opposition is not filed with the notice of opposition, it should be filed within one month from the date of filing of said notice of opposition.

REGISTRATION OF ASSIGNMENTS, LICENCES ETC. (PATENTS)

Assignment, Licences or other transactions effecting the interests of the original Patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests.

153942	ESAB Aktiebolag
151722	Fried Krupp Gesellschaft Mit Beschränkter Haftung
149888	Allied Corporation
150732	
135042	
138822	
138297	Combustion Engineering Inc.
143569	
146483	
142999	

RENEWAL FEES PAID

138774 138915 139116 139118 139220 140061 140095 140656
 140947 141018 141856 141959 142240 142401 142405 142573
 142970 142976 143239 143508 143521 143528 143589 143599
 143650 143785 143826 143877 143878 143930 144036 144245
 144722 144985 145478 145540 145640 145649 145752 145817
 146105 146725 146898 146899 147467 147485 147551 147897
 147922 150058 150059 150315 150543 150590 150614 150650
 150700 150702 150766 150801 150994 151001 151443 151687
 151769 151992 152069 152145 152275 152362 152450 152507
 152640 152803 152816 153063 153143 153164 153175 153448
 153475 153749 153882 153975 154128 154137 154353 154617
 154871 155326 155519 155550 155587 156096 156099 156101
 156113 156137 156144 156185 157175.

CESSATION OF PATENTS

151379 153224 154671.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not to be inspected for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 156764. Radio Ohms Investment & Trading Company Pvt. Ltd., (a company incorporated under the Companies Act) at Podar Chambers, S.A. Brelvi Road, Fort, Bombay-400 001, State of Maharashtra, India. "Antenna Clip". 10th March, 1986.

Class 1. No. 156765. Radio Ohms Investment & Trading Company Pvt. Ltd., (a company incorporated under the Companies Act) at Podar Chambers, S.A., Brelvi Road, Fort, Bombay-400 001, State of Maharashtra, India. "Container For Electronic Instrument". 10th March, 1986.

Class 1. No. 156772. Atul Surendra Shah, an Indian Citizen 63 Urmil Society Productivity Road, Baroda-390 005, Gujarat State, India. "Gas Geyser". 11th March, 1986.

Class 1. No. 156854. National Council For Cement and Building Materials, of M-10 South Extension, Part-II, Ring Road, New Delhi-110049, India, an Indian Institute. "Controlled Condition Chamber". 21st March, 1986.

Class 1. No. 156692. Axiom Industries, an Indian Registered Partnership Firm. "A Hub Cap". 25th February, 1986.

Class 1. Nos. 156855, 156856. National Council For Cement and Building Material, of M-10, South Extension, Part-II, Ring Road, New Delhi-110049, India, an Indian Institute. "Bulk Carrier For Granular and Powdery Substances and Plastic Compositions". 21st March, 1986.

Class 1. No. 156530. Balvinder Singh s/o Asa Singh c/o. Asa Singh & Sons, 199, Camp, Yumana Nagar (Distt. Ambala) Haryana State India, of Indian Nationality. "Liquid Pump". 17th January, 1986.

Class 1. No. 156706. Varadiah Madava Gopal 37, 7th Cross ST. 1st Floor ? Shenoynagar-Madras-30, Tamil Nadu (Indian). "Three Phase Selector Switch". 26th February, 1986.

Class 3. No. 156422. Rajpal Plastic Industries, 303, Neelkanth, 98, Marine Drive, Bombay-400 002, Maharashtra, India, an Indian Partnership Firm. "Salt or Pepper Container", 9th December, 1985.

Class 3. No. 156546. Polyaet Plastics Private Limited, a Company incorporated under the Indian Companies Act, having its registered office at 904, Regent Chambers, Nariman Point, Bombay-400 021, Maharashtra, India. "Container". 22nd January, 1986.

Class 3. No. 156881. Zeta Energy Controls Pvt. Ltd., 47 Scindia House, First Floor, Connaught Circuit, New Delhi-110001, Union Territory of India, India, an Indian Company registered under the Provisions of Indian Companies Act, 1956. "Miniatute Circuit Breaker". 25th March, 1986.

Class 3. Nos. 156766, 156767. Duralium Corporation (India), a registered Partnership firm, of G-89 Sarvodayanagar, 1st Panjarpole Lane, Bombay-400 004, State of Maharashtra, India. "Water Jug". 10th March, 1986.

Class 3. Nos. 156461, 156462, 156470, 156471, 156472, 156474. Caprihans India Limited, an Indian company, being an existing company within the meaning of that expression in the Companies

Act, 1956, of India, having its registered office at Block D, Shivasagar Estate, Dr. Annie Besant Road, Worli, Bombay 400 018, State of Maharashtra, India. "Sheets made of Polyvinyl chloride or in which Polyvinyl chloride Predominate". 24th December, 1985.

Class 5. No. 156762 Radio Ohms Investment & Trading Company Pvt. Ltd., (a Company incorporated under the Companies Act) at Podar Chambers S.A. Brelvi Road, Fort, Bombay 400 001, State of Maharashtra, India. "Carton". 10th March, 1986.

Class 5. No. 156763. Radio Ohms Investment & Trading Company Pvt. Ltd., (a Company incorporated under the Companies Act) at Podar Chambers S.A. Brelvi Road, Fort, Bombay 400 001, State of Maharashtra, India. "T. V. Antenna". 10th March, 1986.

Class 4. Nos. 156894, 156895, 156896. Vivelon Cosmetics, Ajay Service Industrial Estate, Unit 421, 4th Floor, Anjir India. "A Bottle". 1st April, 1986.

R. A. ACHARYA
Controller General of Patents, Designs
and Trade Marks.

